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1 SAFETY PRECAUTIONS

Danger
The lightning flash with arrowhead symbol, within a triangle, is intended to alert the user to the presence of uninstalled “dangerous voltage” within the product's enclosure; that may be of sufficient magnitude to constitute a risk of electric shock to persons.

Warning
The exclamation mark within a triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Caution
To reduce the risk of electricschock, do not remove cover (or back). No user - serviceable parts inside. Refer servicing to qualified service personnel

1.1 IMPORTANT SAFEGUARDS

1 Read these instructions.
2 Keep these instructions.
3 Comply with all warnings.
4 Follow all instructions.
5 Do not use this equipment near water.
6 Clean only with dry cloth.
7 Do not block any ventilation openings. Install in accordance with the manufacturer’s instructions.
8 Do not install near any heat sources such as radiators, heat registers, stoves, or other equipment (including amplifiers) that produce heat.
9 Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. Agrounding type plug has two blades and a third grounding prong. Both the wide blade and the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the equipment.
11 Only use attachments/accessories specified by the manufacturer.
12 Unplug this equipment during lightning storms or when unused for long periods of time.
13 Refer all servicing to qualified service personnel. Servicing is required when the equipment has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the equipment, the equipment has been exposed to rain or moisture, does not operate normally, or has been dropped.
14

Warning
To reduce the risk of fire or electric shock, do not expose this equipment to rain or moisture.

15 The equipment shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the equipment.
16 The back of the monitor should only be removed by qualified maintenance and service personnel.

Ventilation

17 Keep ventilation openings free to avoid the monitor for overheating.
18 Do not place the monitor in the immediate vicinity of a heating source.
19 Do not install this equipment in a confined space such as a bookcase or similar unit.

Cleaning

20 You can clean the monitor with a moist fluff-free cloth or shammy leather cloth.

Disposal

21 This monitor contains batteries. Do not dispose of these batteries with other solid waste. The batteries type AA (standard penlights) are located in the battery compartment at the bottom of your monitor.

Caution

Danger of explosion if batteries are incorrectly replaced. Replace only with the same or equivalent type.

Warning

This device is intended for use in public areas only. Surreptitious recording of oral communications is strictly prohibited by U.S. Federal law

Remark

Bosch has a strong commitment towards the environment. This monitor has been designed to respect the environment as much as possible.

1.1.1 FCC Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

Note

Any change or modification not expressly approved by Bosch of the equipment authorization could void the user's authority to operate the equipment. For additional information or to speak to a representative, please contact the Bosch Security Systems location nearest you or visit our web site at www.boschsecuritysystems.com (See: Your Guide To Observation)

2 Hardware Installation

This chapter describes the installation of the system hardware. For details of operation, see the supplied Operation Instructions.

Note
Ensure that you read all safety precautions.

2.1 SYSTEM CABLE

For the interconnection between the Multiplexer/ Switcher monitor and Slave monitor a 15m/45ft system cable is supplied with the Slave monitor. For an optimum picture and sound quality you should always use 4-wire dual twisted-pair cable when extending the connection. The maximum allowed cable length is 200m/600ft. Pay attention that the connectors are fixed to the cable corresponding to the figure below.

Caution
The plugs used for the observation system have the same dimensions as standard telephone plugs. (RJ-11) Never connect telephone equipment or cable to the observation system.

2.2 SYSTEM CONNECTION

2.2.1 Slave input

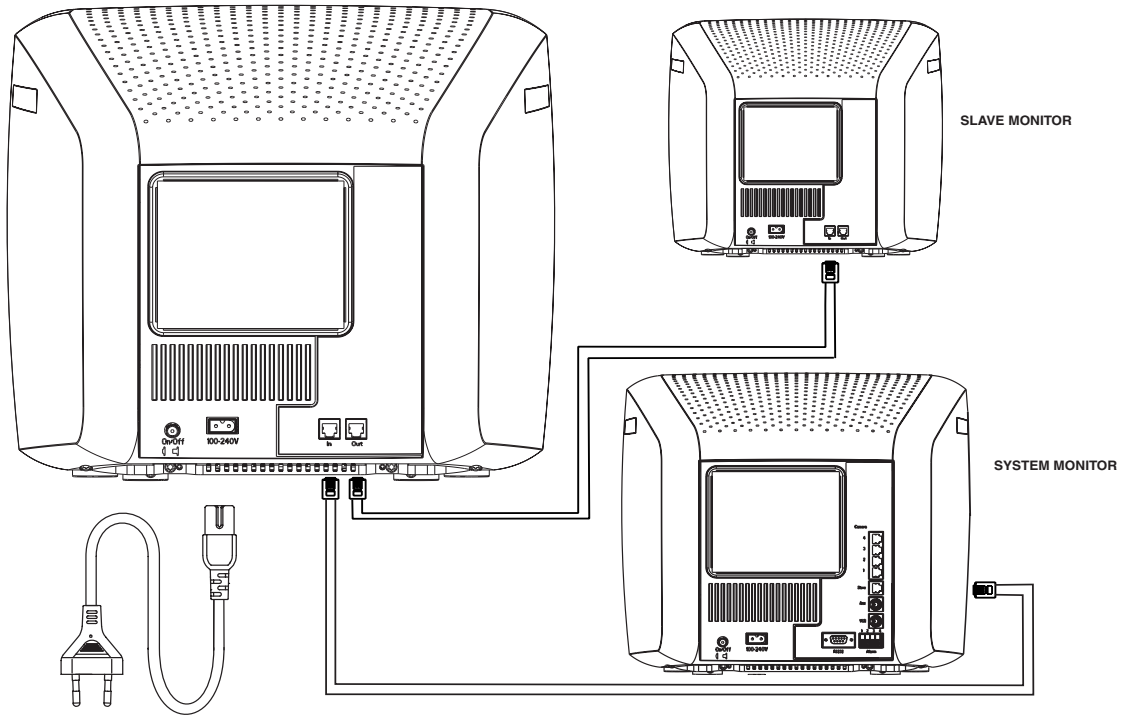
The slave input must be connected to the output of the Multiplexer/Switcher monitor to show the picture coming from the Multiplexer/Switcher Monitor.

2.2.2 Slave output

An output to connect a second slave monitor (optional accessory) is available.

2.2.3 Mains Power Connector

Ensure that you observe all safety precautions when connecting the mains power cable and switching on the power.



System Connection

2.3 WIZARD INSTALLATION

Note

The WIZARD is only activated when an old color observation system is connected to the system. You are guided through the appropriate menus at power up.

When the system is powered up the FIRST time, the WIZARD setup option is displayed. The Installation Wizard will guide you through the most important settings of the system. Follow the screen options and select using the ROTARY wheel.
During startup the following screen is displayed:

```
BOSCH
OBSERVATION SYSTEM
VERSION
X.X
```

The following menu is displayed after a number of seconds:

```
LANGUAGE
ENGLISH
FRANCAIS
DEUTSCH
ITALIANO
PORTUGUES
ESPAGNOL
NEDERLANDS
```

Turn the ROTARY wheel until the required language is highlighted.

- Select your preferred language by pressing the ROTARY wheel.

The following menu is displayed:

```
CONFIGURATION
START INSTALLATION WIZARD ?

YES                    NO
```

- Select YES to start the wizard setup. The wizard setup enables you to configure the system to your own settings and guides you through the process automatically.
- Select NO to enable the system to automatically configure itself to the factory default settings.

Note

For detailed information on the on screen menus refer to the System Settings Part.

When completed the following screen will appear:

```
CONFIGURATION
WIZARD
COMPLETED
```

2.4 SYSTEM SETTINGS

The system settings can be configured to your own requirements. The system is setup via on-screen menus.
To access the menu options:

- Press the MENU button. Toggle to switch on/off.

The ROTARY wheel controls the menu navigation as described in the Operation Instructions.
At the end of this chapter you will find the complete menu structure in a diagram.

2.4.1 Main Menu

After pressing the menu button the following menu will be displayed:

```
MAINMENU
VIEW SETTINGS
SYSTEM SETTINGS
```

Note

VIEW SETTINGS are described more detailed in the Operation Instructions.

2.4.2 System Settings

With the System settings menu you can configure the system according to your own requirements.
Configurations that can be changed are:
Select system settings from the main menu and the following menu will appear:

```
MAIN MENU

SYSTEM SETTINGS
LANGUAGE          ENGLISH
BEEP VOLUME       OFF
SERVICE
```

LANGUAGE	You can choose from English, French, German, Spanish, Dutch, Italian and Portuguese. The menus are then displayed in the selected language.
BEEP VOLUME	Allows you to select the system audio beep high, medium, low or off.

2.4.3 Service

The SERVICE menu contains all items relevant for servicing your observation system: resetting the system to factory defaults and the internal diagnose.

MAIN MENU
SYSTEM SETTINGS

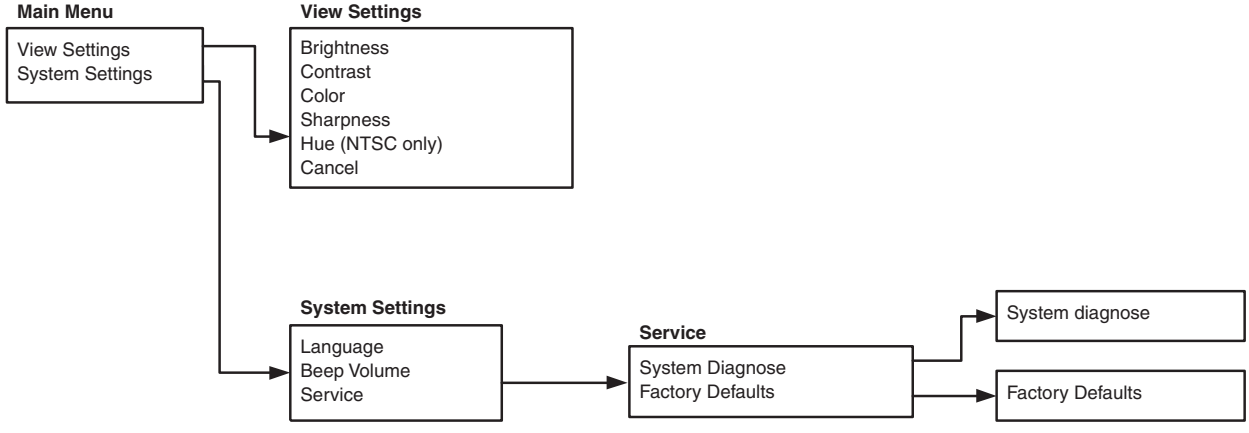
SERVICE
SYSTEM DIAGNOSE
FACTORY DEFAULTS

SYSTEM DIAGNOSE	With this option you can obtain an overview of the internal diagnose settings. (Consult the service manual for more information).
FACTORY DEFAULTS	With this option you can set the complete system to the factory defaults. All current settings will be lost, (this will take a few seconds). Language selector and Wizard setup will be activated again.

MAIN MENU
SYSTEM SETTINGS
SEVICE

FACTORY DEFAULTS
CURRENT SETTINGS WILL
BE LOST
CONTINUE?
NO YES

Menu Structure



3 TECHNICAL SPECIFICATIONS

APPROVALS

Safety

Europe	EN60065
USA	UL6500 UL & cUL listed
Australia	C-Tick

Electro Magnetic Compatibility (EMC)

Europe	EN55022 Class B, EN50130-4
USA	FCC part 15, class B
Australia	AS/NZS 3548

ELECTRICAL

Picture tube	14" (viewable picture area 13"), 90° deflection, 0.65 mm pitch TV grade
Resolution	PAL: 320 TVL; NTSC: 290 TVL
TV standard	PAL: 625 lines, 50 Hz, 2:1; NTSC: 525 lines, 60 Hz, 2:1
Mains supply voltage	Universal input, 100 - 240 VAC +/-10%, 50/60 Hz
Power consumption	<55 W max.
System synchronization	Monitor locks to the incoming video
Slave monitor input	1 (system interface)
Slave monitor output	1 (system interface)
Microphone	Sensitivity 46dB SPL @ 1kHz
Audio speaker	500 mW rated, 1000 mW max.
Frequency range	300 - 3kHz

System cable

4-wire dual twisted pair cable

1 twist/inch, loop resistances max 16 ohm at 100 meter

MECHANICAL

Weight	approx. 9.5 kg
Dimensions (hxwxd)	325 x 364 x 368 mm 12.8 x 14.3 x 14.5 inches
Ambient temperature	
Operating	+5°C…+45°C +41...+113 F
Storage	-25°C…+70°C -13...+158 F
Ambient humidity	5% to 95% RH

Specifications may change without notice.

If you have any problems, contact your dealer.